

IN THE CLAIMS

Please amend the claims as follows:

1. (original) A method of manufacturing a laser detector grating unit (LDGU) comprises:

securing a laser unit and a collimator lens to each of a plurality of photodiode chips, which photodiode chips form part of a photodiode wafer;

securing at least one grating beam-splitter strip across a plurality of said photodiode chips forming the photodiode wafer; and

separating the individual laser detector grating units from each other, by dividing the at least one grating beam-splitter strip and separating the photodiode chips.

2. (original) A method as claimed in claim 1, in which the division of the at least one beam-splitter strip and the separation of the photodiode chips is done at substantially the same time.

3. (currently amended) A method as claimed in either claim 1 ~~or~~ ~~claim 2~~, in which sides of individual grating beam-splitters split from the at least one grating beam-splitter strip do not require finishing after separation.

4. (currently amended) A method as claimed in ~~any preceding~~
~~claim~~claim 1, in which the grating beam-splitters transmit light
through only front, rear and bottom faces.

5. (currently amended) A method as claimed in ~~any preceding~~
~~claim~~claim 1, in which the grating beam-splitter strip is
substantially cuboidal.

6. (currently amended) A method as claimed in ~~any preceding~~
~~claim~~claim 1, in which the upper and front faces are substantially
reflective.

7. (original) A method as claimed in claim 6, in which the front
face has an opening in the reflective coating of each of the
grating beam-splitters to be formed from the grating beam-splitter
strip.

8. (currently amended) A method as claimed in ~~any preceding~~
~~claim~~claim 1, in which grating structures are formed on or applied
to the rear face of the grating beam-splitter.

9. (currently amended) A method as claimed in ~~any preceding~~
~~claim~~claim 1, in which the grating beam-splitter extends
substantially across the width of the LDGU.

10. (original) A laser detector grating unit (LDGU) comprises a laser, a collimator lens, a photodetector section and a grating beam-splitter, wherein the grating beam splitter has substantially reflective upper and front faces and a grating structure on a rear face.

11. (original) A LDGU as claimed in claim 10, in which a rear face of the grating beam-splitter incorporates a holographic grating structure.

12. (original) An LDGU as claimed in claim 11, in which the grating structure has a herringbone shape.

13. (currently amended) An LDGU as claimed in either claim 11-~~or 12~~, in which the grating structure has a pitch equal to the pitch of elements of the photodetector section on the wafer.

14. (currently amended) An LDGU as claimed in ~~any one of claims 10 to 13~~claim 10, in which the grating beam-splitter has unfinished side faces.

15. (currently amended) A grating beam-splitter as claimed in ~~any one of claims 10 to 14~~claim 10.